

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT

**PERMIT TO OPERATE A SEPTAGE LAND
APPLICATION SITE**

Stallings Septic Service
Bobby & Carolyn Stallings, Wallace Moore
7132 Hidden Valley Trail
Garner, NC 27529

is hereby issued a permit to operate Septage Land Application Site with permit #SLAS-92-07 located on SR#1010 in Wake County in approximate position 35.62024° N latitude and -78.59184° W longitude. The site is to be operated in accordance with 15A NCAC 13B .0800 Septage Management, the information stated in the approved application, and the conditions of this permit. The unauthorized disposal of any liquid or solid wastes other than those specified in the conditions of this permit will be considered a violation of the conditions of this permit. Failure to comply with the conditions of this permit may result in permit suspension, permit revocation, action for injunctive relief, administrative penalties, or other remedies as provided in G.S. 130A, Article 1., Part 2.

This permit shall be reviewed annually to determine if soil test results and management activities are in compliance with the Septage Management Rules and the conditions of this permit. Modifications, where necessary, shall be made in accordance with rules in affect at the time of review.

Date Issued

10/4/11



Michael E. Scott/Chief
Solid Waste Section

Operator: Bobby & Carolyn Stallings, Wallace Moore
SLAS# 92-07
County: Wake

Page 2 of 3

Permit Conditions:

1. This permit shall become voidable if the soils fail to adequately assimilate the septage and shall be rescinded unless the site is maintained and operated in a manner which will protect the assigned water quality standards of the surface waters and ground waters.
2. This site shall be operated and maintained in accordance with the nutrient management plan submitted by Bobby & Carolyn Stallings and Wallace Moore and approved by the Division. **The 13.5 acre site is divided into Field 1 (5.7 acres) and Field 2 (7.8 acres).** The 30 day waiting period between the last application of septage and the harvest of the crop shall be met by alternating septage applications, the waiting period and harvests between the permitted fields on this site. All discharges shall be at locations on the site consistent with the crop rotation in the approved plan.
3. This site shall be operated and maintained in accordance with the erosion and runoff control plan submitted by Bobby & Carolyn Stallings and Wallace Moore and approved by the Division. Any site improvements noted in the plan must be installed within 30 days of plan approval. The site shall be operated and erosion and runoff control measures maintained in such a manner as to prevent migration of wastes off of the designated waste receiving site. The installation of groundwater monitoring wells shall be required as deemed necessary by the Division.
4. The issuance of this permit does not preclude the Permittee from complying with any and all statutes, rules, regulations, or ordinances which may be imposed by other government agencies (local, state and federal) which have jurisdiction. It is the responsibility of the permittee to be in compliance with the requirements of 40 CFR 503.
5. This permit may be modified or reissued to incorporate any conditions, limitations and monitoring requirements of the Division of Waste Management deems necessary to adequately protect the environment and public health.
6. **This site is only permitted for the land application of domestic septage and grease septage.** Domestic septage pH shall be raised to 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 30 minutes prior to land application. Grease septage or grease septage mixed with domestic septage shall be raised to pH 12 or higher by alkali addition and, without the addition of additional alkali, shall remain at 12 or higher for 2 hours prior to land application.
7. **This site contains approximately 13.5 acres that are available for septage land application.** The maximum annual application rate shall be 50,000 gallons per acre per year, for a total maximum annual application rate of 675,000 gallons. This application rate assumes equal septage distribution, on an annual basis, over the permitted area. Monthly septage applications shall not exceed the monthly relative application rates given in the approved nutrient management plan for the site.
8. An approved above ground septage detention system with a minimum design capacity of 12,980 gallons shall be available prior to operation of this site unless an approved wastewater treatment plant is available for use during periods of adverse weather. The storage capacity may be adjusted if it is demonstrated during the operation of the site that this volume of storage is inappropriate.

Operator: Bobby & Carolyn Stallings, Wallace Moore
SLAS#: 92-07
County: Wake

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9. Only the area designated on the attached site map(s) shall be utilized for septage disposal. Each load of septage discharged at the site shall be distributed from a moving vehicle in such a manner as to have no standing water when the discharge is complete.
10. Septage shall not be applied during any precipitation event, or if there is standing water on the soil surface, if the soil surface is frozen, or if the soil surface is snow covered. The Permittee shall consider pending weather conditions when making the decision to land apply in order to prevent any discharge of septage outside of the permitted boundary.
11. Septage applications that will result in ruts greater than three inches in the soil surface are prohibited.
12. Any discharge of septage outside of the permitted boundaries via runoff, aerial drift, etc. is prohibited.
13. This permit shall become void unless the land application activities are carried out in accordance with the conditions of this permit and in the manner approved by this Division. No one other than the permittee shall discharge septage at this site without prior appropriate notification and written approval of the Division of Waste Management.
14. Prior to any transfer of this land, a notice shall be given to the new owner that gives full details of the materials applied or incorporated at this site. The Division shall be notified prior to site closure.
15. **This permit shall expire on July 29, 2015.** Modifications, when necessary, shall be made in accordance with the rules in effect at the time of renewal. **An application for permit renewal shall be submitted at least ninety (90) days prior to the permit renewal date.** A septage application log for the period of time this permit was valid shall be submitted along with an application for permit renewal or modification. The information required in the log is described in Rule 15A NCAC 13B .0838(e)(1) of the NC Septage Management Rules and 40 CFR Part 503.17(b) of the Federal Register. This permit is non-transferable.
16. Records shall be kept in accordance with 40 CFR 503.17(b). These records shall be made available to a representative of the Division of Waste Management upon request.
17. Any duly authorized officer, employee, or representative of the Division of Waste Management may, upon presentation of credentials, enter and inspect any property, premises, or place on or related to the disposal site and facility at any reasonable time for the purpose of determining compliance with this permit; may inspect or copy any records that must be kept under the conditions of this permit; or may obtain samples of groundwater, surface water, or leachate.
18. Field separations in the nutrient management plan and all pertinent setbacks shall be clearly located on the site. **Boundaries of the permitted septage land application fields shall be clearly marked on the ground.**
19. The areas which can be used for land application of septage shall be maintained at least 500 feet from any existing wells, residences, places of business, or places of public assembly. Septage shall not be disposed of within 50 feet of any property line or within 100 feet of any ditch.



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

October 4, 2011

Bobby & Carolyn Stallings
Wallace Moore
Stallings Septic Service
7132 Hidden Valley Trail
Garner, NC 27529

**RE: SLAS permit modification
Stallings Septic Service
SLAS-92-07
SR#1010 in Wake County**

Dear Mr. & Mrs. Stallings and Mr. Moore:

The NC Division of Waste Management has reviewed your application for Septage Land Application Site permit #SLAS-92-07 in Wake County. The application has been approved and your **modified permit (to include additional disposal acreage)** is enclosed. If you have any questions about your permit, we'll need the number in order to answer your questions.

Please read all of your permit conditions carefully. Your nutrient management and soil erosion and runoff control plans have been included in your permit's conditions. In particular, review Permit Condition 12, which states you need to submit septage application logs for your site in order to renew your permit. These logs need to cover the entire time your current permit is valid. For details on the information you should include, consult the NC Septage Management Rule 15A NCAC 13B .0838(e)(1) and the Federal register's 40CFR Part 503.17 (b). This permit condition also states that this permit is valid until July 29, 2015. If you have any questions, please ask for assistance as rule violations could expose you to administrative penalties.

Please note that to land apply industrial or commercial septage at a permitted septage disposal site you must have prior approval from the NC Division of Waste Management. The waste must be sampled prior to being removed from the system. Generally, the Division will request that you have a waste analysis run on septage from each commercial or industrial septage generator before that type of septage is approved for land application.

Use of land application site or septage detention or treatment facility that is not permitted may result in administrative penalties up to \$15,000 per violation in accordance with NC General Statute 130A-22.

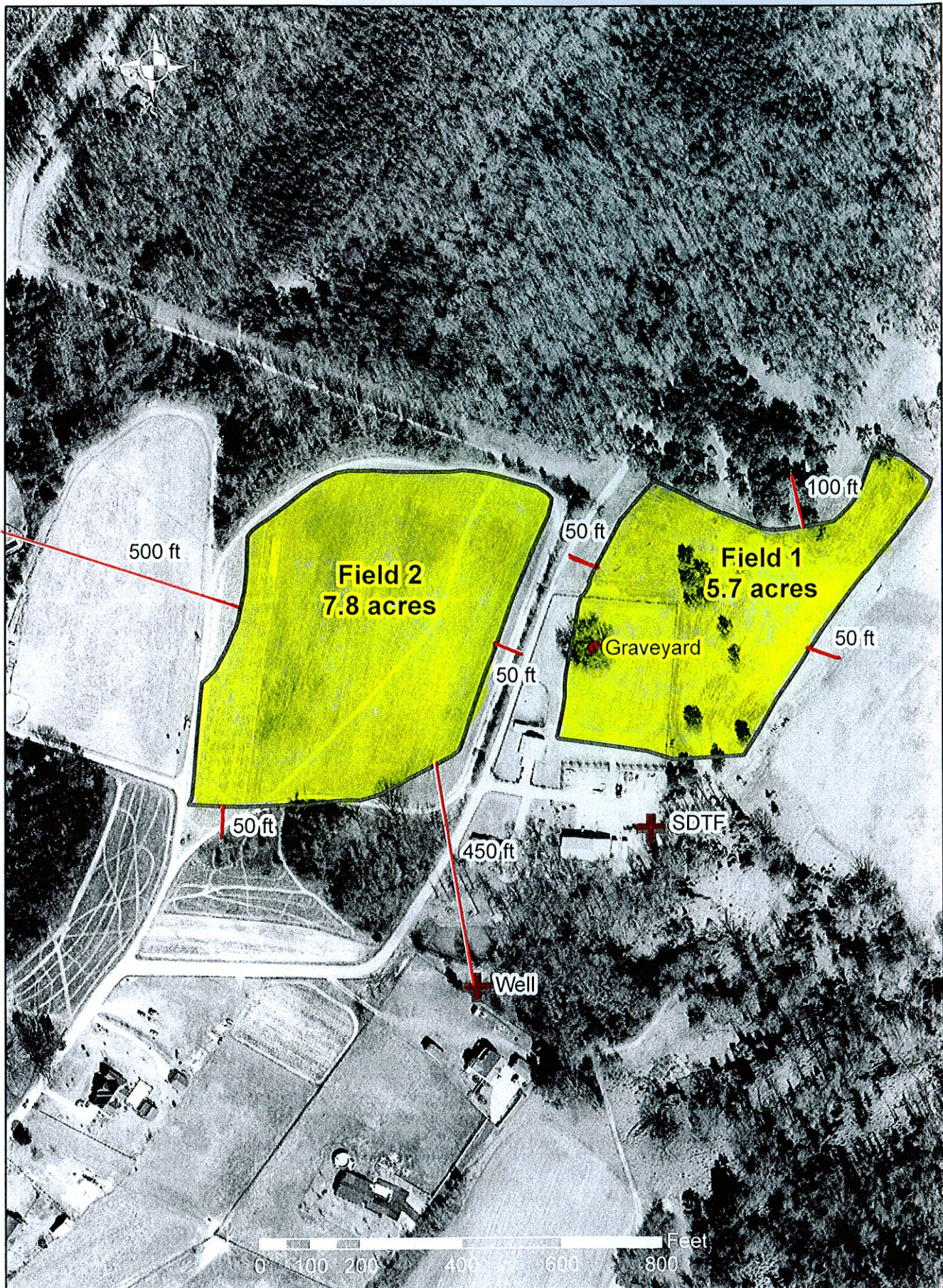
If you have any questions, feel free to contact me at (910) 433-3352 or Michael Scott at (919) 707-8246.

Sincerely,

Connie Wylie, Soil Scientist
Composting & Land Application Branch

SLAS-92-07

35.62024°N latitude
-78.59184°W longitude



Source: NC OneMap (www.nconemap.com) Corporation, Surdex, 2006, Wake County, NC 2005 Orthophotos.
Map created by NC DENR, DWM, Composting and Land Application Branch for permitting purposes only.

APPLICATION FOR A PERMIT TO OPERATE A SEPTAGE LAND APPLICATION SITE

North Carolina Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
401 Oberlin Rd., Ste. 150, Raleigh, N.C. 27605

I. Site and Operator Information

1. Applicant Stallings Septic Service
Address 7129 Cleveland School Rd.
Garner, NC 27529
Phone 919-779-1074

2. Contact person for site operation (if different from applicant): BOBBY RAY STALLINGS
Title or position OWNERS Phone 919-779-1074
Address 7132 HIDDEN VALLEY TRAIL
GARNER, NC 27529

3. Landowner Carroll F. Godley
Address 7129 Cleveland School Rd.
Garner, NC 27529

4. Site Location: County WAKE State Road Number 1010
Directions to site: take Hwy 50 South, out of Garner, left on
Cleveland School Rd., left Hidden Valley Trail, apprx. 1/2 mi.

5. Indicate whether request is: new ☒ renewal ☐ modification ☐

For a permit renewal or modification, provide the following information:

Existing site permit number: _____ permit expiration date: _____

6. Number of acres meeting the requirements of the N.C. Septage Management Rules: _____
acres.

7. Substances other than septage or grease trap pumpings previously disposed of on the site:
(a) None ☒, or (b) Attach a list indicating other substances, the amounts discharged, and the
dates of discharge.

8. Attach written, notarized landowner authorization to operate a septage disposal site signed by the
landowner (if the permit applicant does not own the property). ***If a corporation owns the land use
a corporate landowner authorization form. If limited liability company owns the land, use a
limited liability company landowner authorization form.***

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9. Attach site evaluation report, including aerial photograph and soil analysis with metals results, unless the Division prepared the report.

10. Attach a vicinity map (county road map showing site location).

(over)

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II. Site Management Information:

The following information shall be included with the application form:

1. Nutrient Management Plan
2. Soil Erosion and Runoff Control Plan
3. Alternative plan for disposal (detention facility permit number or wastewater treatment plant authorization): SDTF/SLAS 92-07, NRWTP, Raleigh, City of Durham
Johnston County, Harnett County
4. Types of septage proposed to be discharged at the site (check all that apply):
 - (a) Domestic septage pumped from septic tanks X
 - (b) Grease trap pumpings X
 - (c) Portable toilet waste _____
 - (d) Commercial / Industrial septage _____
5. Proposed treatment method of each type of septage to be land applied (use additional paper to explain if necessary): for lime stabilization, enough hydrated lime is added to domestic septage to raise ph to 12, hold for 30 minutes for grease enough lime is added to bring ph to 12, hold for 2 hrs before land application
6. Proposed method of applying septage to land, including septage distribution plan if required * (use additional paper to explain if necessary): Liquid is pumped into trucks/tanker vehicle is in motion when discharge begins, a spreader attachment is used to land apply
7. Demonstration from the appropriate state or federal government agency that the land application site complies with the Endangered Species Law ** or if any part of the site specified is not agricultural land (use additional paper to explain if necessary):
Site is agriculture exempt

III. Certification

I hereby certify that:

1. The information provided on this application is true, complete, and correct to the best of my knowledge.
2. I have read and understand the N.C. Septage Management Rules, and
3. I am aware of the potential consequences, including penalties and permit revocation, for failing to follow all applicable rules and the conditions of a Septage Land Application Site permit.

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Wallace W Moore
Bobby Ray Stallings Carolyn Collins Stallings 2-21-11
Signature*** Date

Wallace W. Moore

Bobby Ray Stallings/Carolyn Stallings

Owners

Print name

Title

Note: This application will not be reviewed until all parts of the application are complete.

* Refer to Section .0821(e) of the N.C. Septage Management Rules.

** Refer to Section .0821(g) of the N.C. Septage Management Rules.

***Signature of company official required.

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Landowner's Authorization to Operate a Septage Land Application Site

North Carolina Department of Environment and Natural Resources
Division of Waste Management - Solid Waste Section
401 Oberlin Rd, Ste. 150, Raleigh, N.C. 27605

I, Charon F. Bodley (name of site owner) hereby certify that I am the owner of
_____ acres of land located 7129 Cleveland School Rd., Garner, NC 27529
and identified by book 11365 and page 0545 (book and page of recorded deed
or tax map parcel) and that I agree to allow Stallings Septic Service (name of site
operator) to use said land for septage land application for a period of 5 Years (length
of time), beginning Pending SLAS Approval Date (month, day and year) and that I have read the
North Carolina Septage Management Rules *, and I understand and agree to maintain the restrictions on
land use after septage land application ends **. I further understand that no septage may be land applied
until the Division of Waste Management has issued a permit for a septage land application site. The above
described property is owned solely by me or jointly with _____
_____ (names of all co-owners, or state none).

Signature of landowner Charon F. Bodley Date 1/31/11
Signature of landowner _____ Date _____

Sworn to and subscribed before me this 31 day of January, 2011.

Beverly Crumpler
(Notary Public)

My Commission expires: 3-3-13

* 15A N.C. Admin. Code 13B Section .0800

** As required by Rule .0826



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INITIAL LEASE AGREEMENT

WE, STALLINGS SEPTIC SERVICE, AGREE TO LEASE DESCRIBED PROPERTY FOR A TERM OF 5 YEARS, CONTINGENT UPON GETTING AND MAINTAINING A CONTINUOUS PERMIT FROM NCDENR, TO OPERATE A LAND APPLICATION SITE FOR THE DISPOSAL OF SEPTIC AND GREASE WASTE.

STALLINGS SEPTIC SERVICE AGREES TO FOLLOW THE RULES OUTLINED IN NCDENR, TO OPERATE A SLAS. STALLINGS SEPTIC SERVICE WILL MAINTAIN THE SITE, BY PLANTING, CUTTING, BALING, AND HARVESTING THE FIELDS AS DESCRIBED IN THE NUTRIENT MANAGEMENT PLAN.

STALLINGS SEPTIC SERVICE, AGREES TO PAY THE SUM OF \$500.00 PER MONTH, FOR LEASE ON THE LAND DESCRIBED HEREIN, FOR A PERMITTED SEPTIC LAND APPLICATION SITE.

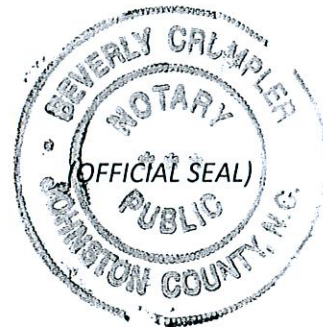
THIS AGAIN IS PROVIDED THAT THE SITE IS APPROVED TO BE PERMITTED FOR A SLAS AND THAT THE SITE CONTINUES TO BE MAINTAINED AS A SLAS.

SIGNATURE OF LANDOWNER Carroll S. Godley DATE 1/31/11
CARROLL GODLEY
7129 CLEVELAND SCHOOL RD.
GARNER, NC 27529

SWORN TO AND SUBSCRIBED BEFORE ME THIS 31 DAY OF January, 2011

Beverly Crumpler
(NOTARY PUBLIC)

MY COMMISSION EXPIRES 3-3-13



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BMC
STALLINGS SEPTIC TANK SERVICE, INC.
7132 HIDDEN VALLEY TRAIL
GARNER, NC 27529

NUTRIENT MANAGEMENT PLAN FOR
SEPTAGE APPLICATIONS
July 30, 2011

This nutrient management plan covers septage application to ^{two} fields. These fields are identified as Field 1, Field 2, [REDACTED]. The site maps attached defines the location of each field. This plan updates all prior nutrient management plans.

A. General Information:

5.7

1. Field 1 contains 2.8 acres for septage application and is Wagram-Cecil sand and [REDACTED] contains 2.9 acres for septage application and is Wagram-Cecil sand. Field 2 contains 7.8 acres for septage application and is Norfolk loamy sand, 2-6 percent slopes.
2. Periodic sampling, at least one time per year, by December 1st, of the septage will be conducted for waste analysis.
3. The limiting nutrient designed for the site is nitrogen. Septage application shall not exceed 50,000 gallons per acre per year to any field. Each field will be managed with bermudagrass overseeded with annual ryegrass in the fall (details below).
4. Septage application to Field 2 shall not occur until specific approval is granted from the Division of Waste Management. An adequate crop must be established prior to septage application.
4. Septage will not be applied where the site is untrafficable (untrafficable is defined as soil that will allow a loaded truck to leave a depression in sod greater than 3 inches in depth). As these soils are well drained with good surface and internal drainage, that should only occur after heavy or prolonged periods of rain or snow.
5. All nitrogen recommendations for forages will be 75% of the realistic yield expectation nitrogen rate should the forage be grazed.
6. Septage storage shall be provided to account for the average volume of septage pumped per week, or an alternative plan, such as disposal at a waste treatment plant, should be in place.

B. Crops to be grown and approximate planting times:

1. Fields 1 [REDACTED] are established in bermudagrass. Areas that develop with less than 80% groundcover of bermudagrass will be seeded using a no-till drill with bermudagrass at a rate of 5-7 pounds/acre in April-May.

Each year these fields will be overseeded with annual ryegrass at a rate of 15-20 lbs/acre with a no-till drill between September 15 and October 15. If the late summer is warm and wet, wait until October to seed the ryegrass.

Field 2 is to be established in bermudagrass, and then managed as Fields 1 [REDACTED]. Septage application to Field 2 is NOT to commence until notification of approval from the Division of Waste Management that the site is adequate.

Each year after septage application starts, Field 2 will be overseeded with annual ryegrass at a rate of 15-20 lbs/acre with a no-till drill between September 15 and October 15. If the late summer is warm and wet, wait until October to seed the ryegrass.

C. Nitrogen needs for crops grown: (RYE = realistic yield expectations)

Fields 1 [REDACTED]

Crop	RYE		Limiting Nutrient App. Rate	lbs N/acre
Coastal bermudagrass	4.5 tons/acre	x	50 lbs N/dry ton	= 225
Ryegrass	2.0 tons/acre	x	45 lbs N/dry ton	= 90

Field 2

Crop	RYE		Limiting Nutrient App. Rate	lbs N/acre
Hybrid bermudagrass	6.4 tons/acre	x	46 lbs N/dry ton	= 294
Ryegrass	1.2 tons/acre	x	46 lbs N/dry ton	= 55

D. Relative application rates for all fields

Month Fields 1, 2, [REDACTED]

January	Low
February	Low
March	Medium
April	High
May	High
June	High
July	High
August	High
September	Medium
October	Low
November	Low
December	Low

Low = up to 5,000 gallons/acre

Medium = up to 10,000 gallons/acre

High = up to 15,000 gallons/acre

These are maximum application amounts, per acre per month. **Cumulative yearly application rate is not to exceed the permitted application rate.**

E. Application Method

The preceding information is based on septage being evenly applied over the entire permitted site by broadcast septage application.

F. Additional Fertility Requirements (not including the limiting nutrient from the waste stream)

Nitrogen, phosphorus and / or potassium will be added in accordance with the soil test results for the crops grown in order to achieve realistic yield expectations based on the soil at the land application site and nutrient loading rates. Soil pH shall be amended as recommended in the soil test report. PLEASE NOTE THAT LIME-AMENDED SEPTAGE WILL RAISE SOIL pH. YOU SHOULD CLOSELY MONITOR SOIL pH AND ALSO HAVE THE SEPTAGE CHECKED FOR ITS LIME VALUE TO INSURE THAT THE SOIL pH DOES NOT BECOME TOO HIGH. THE COST OF SEPTAGE ANALYSIS FOR LIME VALUE IS CURRENTLY \$10.00 WITH THE NCDA&CS LABORATORY.

The buffer areas should be fertilized with approximately 120 lbs/acre/year of N, 40 lbs/acre/year of P_2O_5 , and 80 lbs/acre/year of K_2O or based on soil test results (sample the buffer areas separately for future soil testing).

G. Harvest of the crops and their use:

1. The bermudagrass will be cut as hay and baled whenever it reaches approximately 12 inches in height or just before seedhead emergence. This is roughly every 4-6 weeks. This will usually take place in late May to early June and again in July and September. At least three harvests will be made each year from each field.
2. The ryegrass will be cut as hay and baled in March to early April each year from each field.
3. A 30-day waiting period must be observed between the last application of septage and harvest. Use this waiting period to plan anticipated septage applications and harvest times between all 2 fields. [REDACTED], switch between Fields 1 and 2 on a cycle of every 30 to 45 days. - during growing season per Bobby Stallings
4. The hay will be sold to a local farmer to feed beef cows and horses.
5. The horses will be kept in the riding ring or neighboring pastures when not grazing.

SOIL EROSION AND RUNOFF CONTROL PLAN

This site is to be managed in permanent bermudagrass hayland and seasonal ryegrass overseed. The maximum slope on the ~~two~~ fields is 5 percent. The required field buffer should be maintained in permanent grass to prevent septage from migrating from the site. No other erosion control measures are needed for this plan, as this offers the best control possible. No off-site surface waters encroach on the site. The nearest surface waters (intermittent, unnamed tributary to Swift Creek) is over 300 feet away from the field with full wooded coverage.

The quality of the grass stand should dictate when and how much septage is applied. Lighter applications are warranted when the nutrient management plan calls for low applications or when the threat of ponding or septage runoff off the site is higher. The operator should calibrate and test the spreading equipment such that they are familiar with speeds and settings to apply appropriate application rates. Regular review of the grass stand quality is critical to maintain forage health and adequate erosion control. At the first sign of plant stress, both soil tests and plant tissue analyses are encouraged to provide for sound management decisions. The bermudagrass should be fertilized with septage and/or commercial fertilizer to maintain a good sod base across the application area and in buffer areas.

Submitted by: Bobby Stallings Date: February 9, 2011
Site Operator

Plan prepared by: Karl Shaffer, L.S.S., Certified Technical Specialist - Nutrient
management Planner Date: July 30, 2011

Address: 685 Sanford Road
Pittsboro, NC 27312

Phone: (919) 542-5803, (919) 244-1984

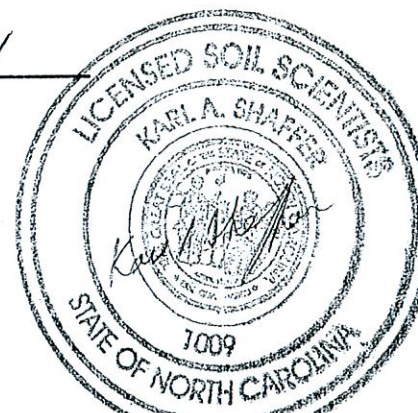
Signed: Bobby Stallings Date: 8/4/11
Bobby Stallings

Signed: Carolyn Stallings Date: 8/4/11
Carolyn Stallings

Signed: Wallace Moore Date: 8/4/11
Wallace Moore

Signed: Karl Shaffer Date: 7/30/11
Karl Shaffer, L.S.S.

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[Send To Printer](#) [Back to Map](#)

7132 Hidden Valley Trl

Garner NC

27529-7942 US

Notes:

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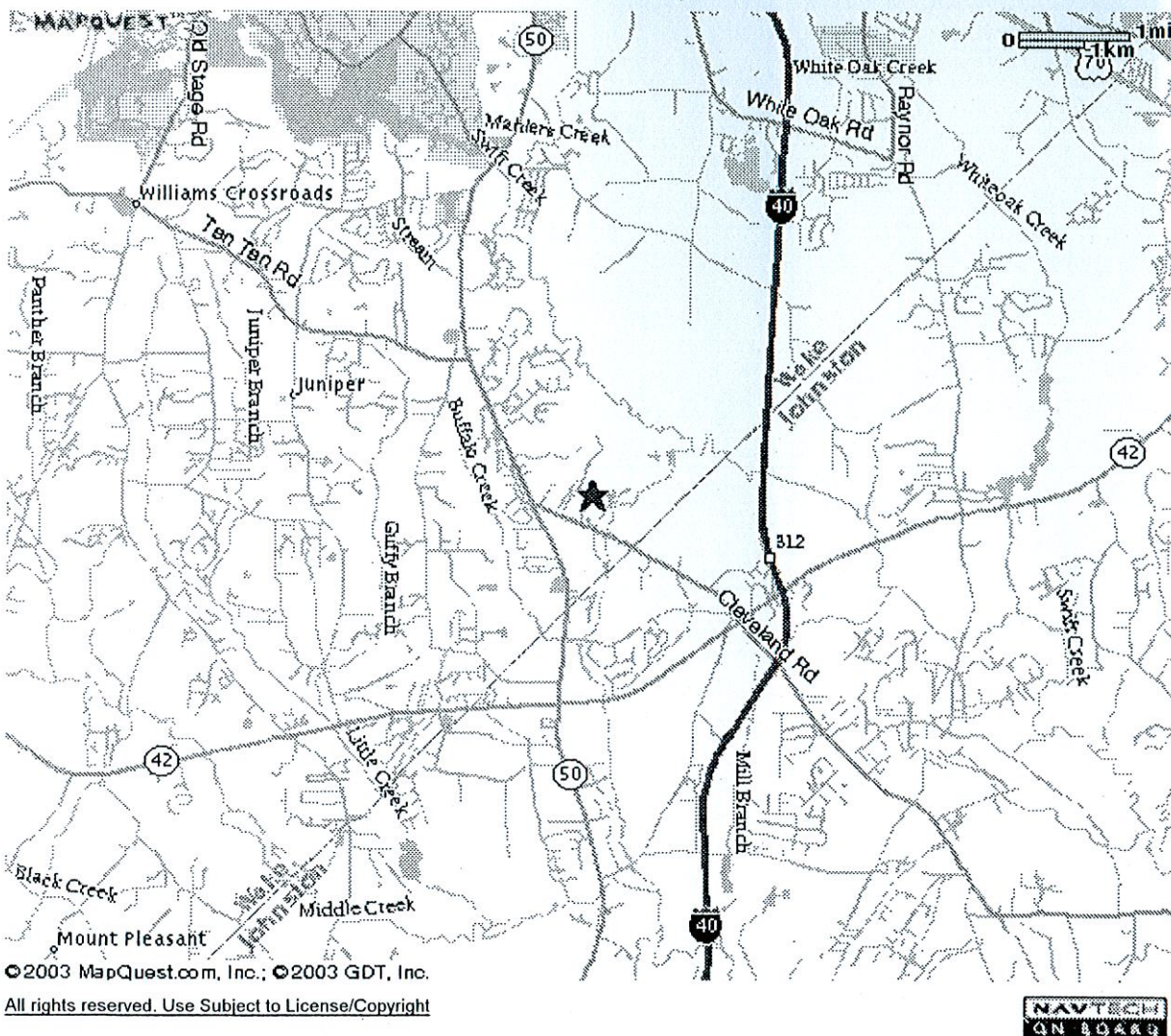
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SLAS-92-07

35.62024°N latitude
-78.59184°W longitude



Source: NC OneMap (www.nconemap.com) Corporation, Surdex, 2006, Wake County, NC 2005 Orthophotos.
Map created by NC DENR, DWM, Composting and Land Application Branch for permitting purposes only.

crc, Oct. 2011